

## Set Theory

Representing Information in a Venn diagram

1) 23 students were asked whether they like chicken or ribs.

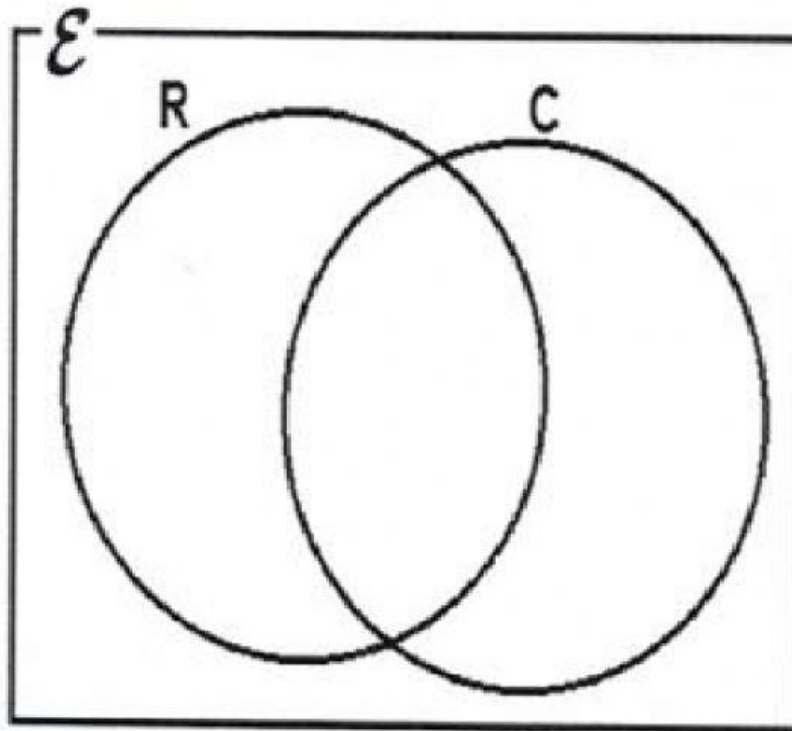
3 students liked ribs only.

10 students liked both ribs and chicken.

14 students likes chicken.

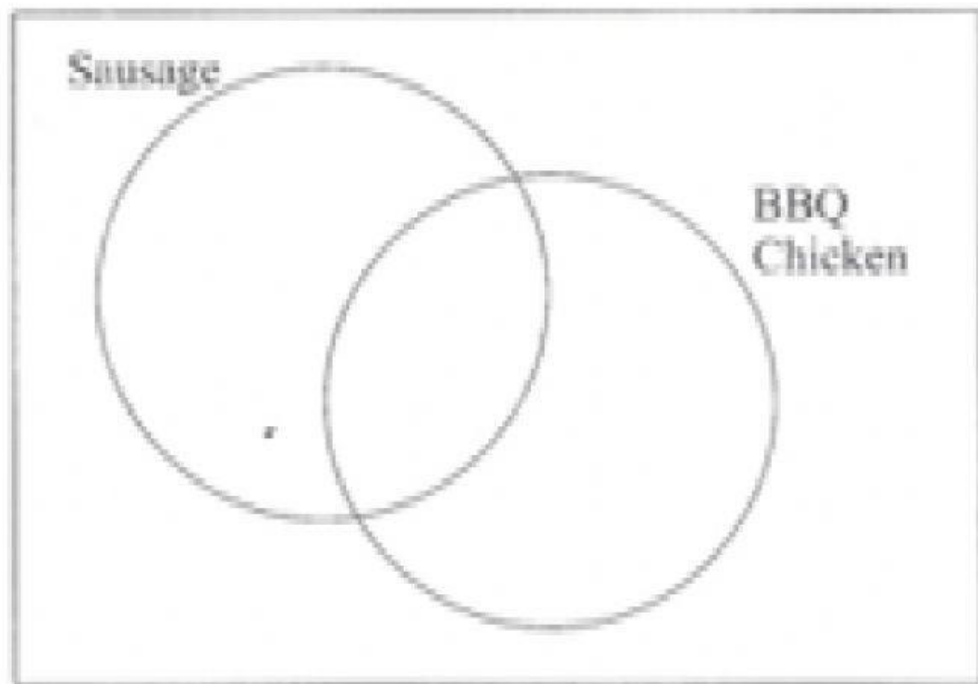
6 like neither ribs nor chicken.

Complete the Venn diagram below to show this information.



- 2) (i) 5 liked sausage, 6 liked BBQ chicken, 4 liked sausage and BBQ Chicken, 3 liked neither.

Complete the Venn diagram to show this information



- (ii) Use the diagram to state how many friends were in this group.